henchman

HENCHMANTRAK

ELECTRONIC TOOL CONTROL

Electronic Tool Control

Paperless Tool Tracking

Tool Control is any system that monitors where tools are and/or who is using them. Its guiding principle is that all tools be returned at the end of the day or job.

The simplest solution is Visual Tool Control with two-colored foam inlays. The contrast of the colors makes it obvious at a glance which tools are missing — if there is a bright empty slot, the tool is still in use.

With Electronic Tool Control every transaction is automatically recorded electronically, eliminating the need for paper records and offering many advantages.

A place for everything, and everything back in the box

HenchmanTRAKTM offers an electronic solution for every type of asset and application — from the smallest of drill bits and lightest of scrapers to whole sets and large pieces of equipment — in your toolstore and at the point of use, permanently installed and mobile.

Digitize your Asset Management and automate your Tool Control to a new level.

Simplify Workflows
Reduce the chance of human error and risk of FOD

Automate Reporting and Auditing
Reduce your workload and time spent on admin tasks

Increase Productivity
By reducing the time spent on procedures

Improve Accountability
Record user, time of issue, intended location of use

Plan Ahead
Track tools in need of calibration, repair or replacement

Monitor Inventory and Condition
For simple reordering of consumables and replacements

Stay in Control at all Times
Monitor all units on one remotely accessible dashboard

Fast & Effortless

The system has been designed specifically to minimize the delay for your engineers as much as possible.

It speeds up the issue and return of tools and equipment, increasing the time working on an aircraft, reducing downtime.

In addition, eliminating paper records, the intuitive process and the effortless system combined reduce the chance of human error.

Fully Customisable

Many options are already built into the system, and can be turned on or off to suit, making it highly configurable.

Being Henchman's own software, we have the in-house capability and the flexibility to make changes, adapting the system to your specific requirements.

We can integrate with other existing software.

Single-Source Supplier

Henchman provides a wide range of tooling, including consumables, mechanical, avionics and structural tooling, as well as GSE and fall arrest systems.

Instead of dealing with multiple suppliers you can streamline your procurement process.

In addition, we handle your warranty claims for you, sending out replacement tools or organising repairs.

Developed with Industry

Henchman has been involved in the aerospace industry for 25 years, providing tool kits and tool control.

We are closely monitoring our customer's needs, see the lack of solutions and respond accordingly.

With our expertise we can assist you in developing the best suited tool list and effective toolkit layout to speed up your maintenance processes.

Complete Solution

The HenchmanTRAK family includes a solution for even the smallest of consumables and hand tools as well as larger pieces of equipment and even complete toolkits and sets, making it possible to track all your tooling assets with one system.

The remotely accessible dashboard provides a real-time status of all systems to supervisors, procurement and management.

HenchmanTRAK™ records every user login and asset transaction, providing accountability at all times, reducing the number of misplaced items while increasing efficiency.

The touchscreen has a green display when all items are present or red when any items are out. When items are out, simply touching the display opens a list with the issued items, the user that took them, when they were taken and the tail number of the aircraft they will be used on or around.

All units can be set up before delivery, making sure all users and items are already in the system, ready to go from the moment you turn it on.

Additionally, we offer lifetime IT support, including remote system updates and custombuild upgrades, and a lifetime warranty for the system as well as the tools or kits we might supply with it.

kabTRAK	**portaTRAK**	**HENCHMANTRAK**	**cribTRAK**	**lokkaTRAK**
Tool Control Roll Cabinet	**Portable Kit Management**	**Tool Status Dashboard**	**Tool Crib Management**	**Equipment Storage**
kabTRAK is a premium tool cabinet with an interactive user interface and wireless networking to provide effortless tool control with full tracking and accountability of even the smallest tools.	portaTRAK is a unique automated system for the effortless issue and return of portable toolkits using RFID. Accurate weight measurement ensures that the kit is issued and returned complete.	The web portal allows remote access to all henchmanTRAK units, providing detailed monitoring and reporting on all tool movements across all locations.	cribTRAK uses manual barcode or RFID scanning to track the issue and return of tools, toolkits and equipment of all shapes and sizes from a controlled environment such as a toolcrib.	The lokkaTRAK cabinet provides unmanned and secure storage for larger tools and equipment or smaller toolkits at your point of use, while limiting user access to the items stored inside.

Other combinations of the solutions are available, including

- a drawer cabinet fitted with a cribTRAK barcode scanner for access control and to monitor all tool movements via manual scanning of each item,

- a drawer cabinet simply fitted with a swipe card panel, to only allow access to autorised users, relying on visual tool control to ensure the kit is complete,

- provides an option for an unmanned station to issue and return valuable assets that remain locked in pigeon hole units on return

The HenchmanTRAK™ Software

Digitization for effortless tool tracking

HENCHMANTRAK

Each of the henchmanTRAK™ units is controlled via a rugged touchscreen tablet running a powerful bespoke software, developed and continuously improved by Henchman over the last 10 years.

All records – user logins, item movements, tool condition, consumable stock levels, calibration status – are saved on an SQL database.

Multiple henchmanTRAK™ units can be connected to a central cloud dashboard, providing managers with a consolidated overview of

- remote live status of the various units and its contents
- reports on unserviceable items and low stock levels for reordering
- alerts and reports on calibration status for service scheduling
- alerts when uncalibrated tools are removed from a unit

We are also able to integrate with third party systems at certain levels.

Full Administrator Rights

When logging into a unit as an administrator, you are able to

- Add / edit users and their access rights
- Add and edit aircraft registration numbers, works orders or job sites
- Add and edit tracked items, including calibration details, stock levels, storage location within your toolstore, condition and additional checks

The henchmanTRAK™ system can work with existing access badges, or additional tags can be provided.

No Limits
A solution for every tool, set, kit and piece of equipment

No Delay Time
Instantaneous tracking of issue and return

Track Calibration
Set reminders and restrict use of uncalibrated tools

Track Broken Tools
Mark unserviceable, adding it to report for reordering

Track Consumables
Monitor consumed items in need of restocking

Easy Restocking and Re-Ordering
Create reports remotely via the cloud dashboard

No Camera
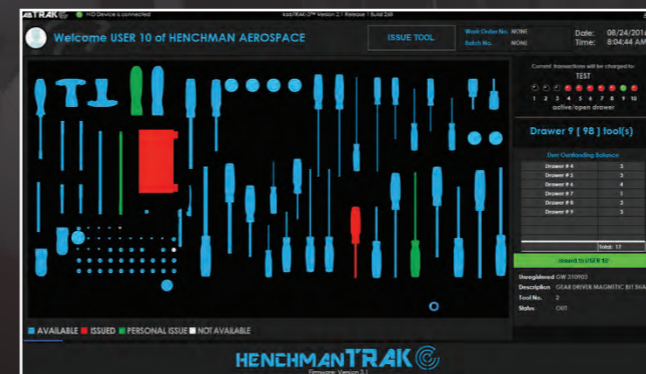Suitable for restricted/classified areas

Issuing Tools

1 Swipe card to access any of the HenchmanTRAK systems.

2 Enter tail number or works order. The storage unit unlocks.

3 kabTRAK: Remove tools from any drawer
cribTRAK: Scan barcode on equipment
portaTRAK: Place toolkit on scales for weight checking

4 kabTRAK: Shut drawers and press button to complete transaction/s and lock cabinet.

5 Screen changes to red display TOOLS OUT. Touch the red block to see a list of issued tools or equipment.

Returning Tools

1 Swipe card to access any of the HenchmanTRAK systems.

2 Enter tail number or works order. The storage unit unlocks.

3 kabTRAK: Place tools into their cutout
cribTRAK: Scan barcode on equipment
portaTRAK: Place toolkit on scales for weight checking

4 kabTRAK: Shut drawers and press button to complete transaction/s and lock cabinet.

5 Screen remains red until every item from every user is returned, then it changes to a green display TOOLS IN.

KabTRAK™

Automated Electronic Smart Toolbox

HENCHMANTRAK

The kabTRAK™ is a smart toolbox that ensures fast and efficient paperless recording of every user and the tools issued or returned.

Unlike other electronic tool control systems that use digital imaging or require tool modifications, kabTRAK™ is fitted with a highly sensitive modular sensor system developed by Henchman (patent pending).

- Mechanical hand and power tools are laid out in custom-cut two-color foam inlays that make it easy to identify where each tool belongs.

- The interactive touch display is easy to use, tracking the issue and return of hand tools and smaller items – directly at your point of use.

- The status of multiple units is accessible via a central cloud dashboard, where reports and audits are available.

We can integrate your existing tools, but more often we supply a turnkey solution fitted with tools for almost any application.

Your Choice of Tool Brand
The choice of brand is yours!

Avionics, Structures, Maintenance
We can supply tools for all applications

Existing or Custom Tool Lists
Many toolkit lists on file should you require assistance

Choose Cabinet and Drawer Sizes
Two cabinet widths, various heights, various drawers

Track Calibration
Restricting tools from issue when a service is due

Track Broken Tools
Mark a broken tool as unserviceble upon return

Link Multiple Units
Seamlessly link all your HenchmanTRAK™ units

Full Admin Rights
Edit/add users and manage tools via admin account

As fast as you can possibly use it — no system is faster and more user friendly.

No ongoing service or calibration (recurring cost) needed to maintain the systems accuracy.

The most flexible solution — from asset size and cabinet sizes through to software and reporting.

	kabTRAK™ Technology	Camera Technology	RFID Technology
Tool movement detection whilst drawer is open	✓	-	-
No lengthy scanning time to capture new transactions	✓	-	-
No tool modification needed	✓	✓	-
Light interference can not limit the functionality	✓	-	✓
No camera, suitable for restricted areas	✓	-	✓
No ongoing service of system, e.g. calibration	✓	-	-

portaTRAK™ is a unique toolkit tracking system designed for the fast issue and return of portable toolkits containing multiple items, using accurate weight measurement — down to detecting a missing 1/4 inch drive screwdriver bit.

To issue or return an item, the user logs in on the portaTRAK™ screen, then places a set onto the scales. An RFID reader identifies the set, while the load cell detects the weight of the sets' contents, checking it against its recorded weight. Should there be any discrepancies, the item can not be issued or returned and a notification is sent to a supervisor.

This is a method of controlling portable kits recognized by official aviation bodies.

Manage any Portable Set or Kit
From large drawer travel boxes to the smallest of sets

Includes all HenchmanTRAK Features
Reports, audits and cloud dashboard

Highly Sensitive Scales
Detecting missing tools down to a 1/4 inch bit

No Tool Modifications
Only one RFID tag is needed on the case or box

Track Calibration
Restricting sets from issue when a service is due

Track Broken Tools
Restrict a set as unserviceable due to a broken tool

Link Multiple Units
Seamlessly link all your HenchmanTRAK™ units

Full Admin Rights
Edit/add items or users at any time via your admin account

Safe Unmanned Storage Extensions

For the safe storage of kits or sets closer to the worksite, a custom locker system can be added on to the portaTRAK™, providing unmanned storage with access managed via the portaTRAK™ unit.

After the user signs in, the portaTRAK™ will unlock one of the doors, allowing access to the item inside. The item then needs to be placed onto the scales to confirm its identity and weight (being complete) before it is issued.

When returning the item, the correct weight is confirmed on the porta-TRAK™ scales before returning it into the locker. The transaction is confirmed once the door is safely closed.

Various heights, sizes and numbers of "pigeonholes" are possible, depending on your specific requirements.

HENCHMANTRAK

The cribTRAK™ system bridges the gap between tracking tools stored in drawer cabinets and complete toolkits, using RFID tagging and/or barcodes to record the issue and return of all items stored in a toolcrib.

This scanner system is the simplest way to track all kinds of items in all sizes, as well as large items that do not fit into portable toolkits or a kabTRAK™.

Endless Custom Solutions

The cribTRAK™ scanner system can be added on to almost any type of storage solution — including our own lokkaTRAK™ and kabTRAK™ cabinets — controlling user access and recording the status of the items stored inside.

Additionally, we can custom-build cabinets of any shape and size, with multiple doors or with many smaller pigeon holes, suitable for smaller items like, for example, two way radio systems.

Customization can include:

- Limiting user access to only some parts of the cabinet, depending on qualification of the user or the type of aircraft a user is working on.
- Assigning an item to a specific part of the cabinet or a specific pigeon hole, making sure it is returned to the same spot within the storage.
- Including charging stations for rechargeable power tools and equipment.
- Combining multiple custom storage units, to tailor your ultimate asset tracking solution.

Manage all Items in your Toolstore
Including all tools, sets, kits, pieces of equipment, etc.

Includes all HenchmanTRAK Features
Reports, audits and cloud dashboard

Easy to use Hand Scanner
Scan barcode or RFID tag for issue or return

Track Consumables
Monitor consumed items in need of restocking

Track Calibration
Restricting items from issue when a service is due

Track Broken Tools
Mark an item if unserviceable, restricting its issue

Link Multiple Units
Seamlessly link all your HenchmanTRAK™ units

Full Admin Rights
Edit/add items or users at any time via your admin account

Hand Scanner Drawer Cabinet

Our wheeled cabinet can also be fitted with the cribTRAK™ barcode scanner, to create a cost-effective solution to store smaller items and hand tools.

Instead of the sensor system detecting tool movement, every item removed from one of the drawers is scanned using the barcode scanner next to the touchscreen.

Shutting all drawers and pressing the button next to the card reader will complete the transaction/s and lock the cabinet, prohibiting any unauthorized access.

Pigeon-Hole Stowage System

This extension of the standard CribTRAK™ system alows unmanned secure storage of larger tools or equipment in each pigeon hole at the point of use.

All other features of the cribTRAK™ system are included.

LokkaTRAK™

Barcode or RFID Locker Cabinet

HENCHMANTRAK

The lokkaTRAK™ system provides unmanned and secure storage of larger tools and equipment or smaller toolkits close to the point of use, while controlling access to the items stored inside.

Both available versions — RFID and Barcode Scanner — provide access control, inventory management and the recording of item movements against employee and job number to ensure accountability and traceability, should an item not be returned.

Manage Items at the Point of Use
Including larger tools, small sets, pieces of equipment

Includes all HenchmanTRAK Features
Reports, audits and cloud dashboard

Easy to use Scanner
Scanning barcode or RFID tag for issue or return

Track Consumables
Monitor consumed items in need of restocking

Track Calibration
Restricting items from issue when a service is due

Track Broken Tools
Mark an item if unserviceable, restricting its issue

Link Multiple Units
Seamlessly link all your HenchmanTRAK™ units

Full Admin Rights
Edit/add items or users at any time via your admin account

RFID Locker Cabinet

The RFID version of the lokkaTRAK™ removes all human error by automatically scanning and recording any item movements.

After confirming access, the user can remove or return items, that are fitted with an RFID tag.

Once the door is closed, the cabinet scans the contents and records all changes, before locking and logging the user out.

Barcode Scanner Cabinet

This version of the lokkaTRAK™ incorporates the capability of a cribTRAK™ barcode scanner into the cabinet.

To issue or return an item from the cabinet, the user scans the barcode on each item.

The cabinet automatically locks when the door is closed, logging the user out.

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